

TITLE OF THE INVENTION
A SPARK PLUG AND
A METHOD OF PRODUCING THE SAME
ABSTRACT OF THE DISCLOSURE

5 A noble metal chip of which one end is welded to an earth electrode by laser has a sectional area of not less than 0.12mm^2 and not more than 1.15 mm^2 at the other end. A length from the surface of the earth electrode to the top surface of the noble metal chip is not less than 0.3 mm and not more than 1.5 mm. An outer surface of the
10 fused junction layer obtained by laser welding between the noble metal chip and the earth electrode has a concave surface, wherein the slope on the plane including the axis of the noble metal chip is curved with a radius R.